

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/050099

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: G01N 27/62

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL,WPI,PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5475311 A1 (F.CHO ET AL), 12 December 1995 (12.12.1995), column 2, line 3 - line 17; column 2, line 63 - line 67 --	1-21
X	US 4531486 A1 (R.B.REIF ET AL), 30 July 1985 (30.07.1985), column 6, line 17 - line 25; column 6, line 58 - line 66; column 8, line 16 - line 22 --	1-21
A	US 3742475 A1 (L.N.LIEBERMAN ET AL), 26 July 1973 (26.07.1973), column 2, line 20 - line 24 --	1-21

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

28 October 2004

Date of mailing of the international search report

01-11-2004

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. +46 8 666 02 86

Authorized officer

Sture Elnäs /itw
Telephone No. +46 8 782 25 00

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2950387 A1 (W.M.BRUBAKER), 23 August 1960 (23.08.1960), column 1, line 45 - line 58; column 2, line 30 - line 39; column 2, line 60 - line 68, col.3, li.60-75,fig.3-9 --	1-21
A	US 3247375 A1 (J.E.LOVELOCK), 19 April 1966 (19.04.1966), column 4, line 39 - line 66 -----	1-21

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Information on patent family members

01/10/2004

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US 5475311 A1 12/12/1995 NONE

US 4531486 A1 30/07/1985 CA 1212261 A 07/10/1986
EP 0141842 A 22/05/1985
WO 8404390 A 08/11/1984

US 3742475 A1 26/07/1973 DE 2208493 A,C 28/09/1972
FR 2129380 A 27/10/1972
GB 1335778 A 31/10/1973
IT 948933 B 11/06/1973
JP 52003598 B 28/01/1977
US RE32552 B,E,F 05/03/1991

US 2950387 A1 23/08/1960 NONE

US 3247375 A1 19/04/1966 NONE
